

1

PATENT COOPERATION TREATY

#5 / PCE
Amend. A
6-3-03
extn

Int'l Application No. : PCT/SG00/00108
Int'l Filing Date : 26 July 2000
U.S. Application No. : Not yet known
Inventors : RAVISHANKER, Krishnamoorthy
Title : A THERMAL SENSOR UNIT
Docket No. : 851663.433USPC
Date : 26 March 2002

Box PCT
Assistant Commissioner for Patents
Washington, DC 20231-0001

PRELIMINARY AMENDMENT

Sir:

Applicants respectfully request entry of preliminary amendments in the above-identified United States National Phase patent application. Please amend the claims as follows:

In the Claims:

Please amend Claims 5 and 6 as follows:

5. (Amended) The thermal sensor circuit of claim 3 wherein each of the first to sixth BJTs is an n-p-n transistor.

6. (Amended) The thermal sensor circuit of claim 3 wherein the current gain is given by:

$$\frac{I_2}{I_1} = \frac{\beta^2 + (3 + N)\beta}{\beta^2 + \beta + (2 + N)}$$

where:

I_1 is the first current input;

I_2 is the second current input; and

β is the common-emitter current gain of each of the first to sixth BJTs.